HW#19H: Reflections Pt. 1

Honors Geometry

Due: Tuesday, Oct 6th

Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ TP \_\_\_\_\_

Failure to show work will result in LaSalle.

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| --- | --- | --- | --- |
| Graph the image of the given transformation. | | | |
| 1. Reflected across y= -x   C:\Users\kramos\Dropbox\Math Materials - KMR\Images\Reflection1.PNG | | 1. C:\Users\kramos\Dropbox\Math Materials - KMR\Images\reflection2.PNGReflect across y =- x | |
| *I =*  *Z =*  *Y =* | *I’ =*  *Z’ =*  *Y’ =* | *F =*  *T =*  *X =* | *F’ =*  *T’ =*  *X’ =* |
| 1. C:\Users\kramos\Dropbox\Math Materials - KMR\Images\reflection3.PNGReflect across y = x | | 1. C:\Users\kramos\Dropbox\Math Materials - KMR\Images\reflection4.PNGReflect across y = x | |
| *D =  I =  J =  Q =* | *D’ =*  *I’ =*  *J’ =*  *Q’ =* | *Q= N= C= T=* | *Q’= N’= C’= T’=* |

FLIP 🡪

Without performing any calculations or graphing, answer the following questions.

|  |  |
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| Determine whether or not the follow transformations are possible through reflections and/or translations. If yes, determine the transformation. If not, explain why not in at least 1 sentence. | |
| 1. *f(x) = 4x + 10* is transformed into the line *f’(x) = 4x – 10000*. | 1. C:\Users\kramos\Dropbox\Math Materials - KMR\Images\reflection2.PNG |
| 7)  C:\Users\kramos\Dropbox\Math Materials - KMR\Images\triangle2.PNG | 1. *g(x)=* is transformed into the line shown on the graph below.   C:\Users\kramos\Dropbox\Math Materials - KMR\Images\line1.PNG |